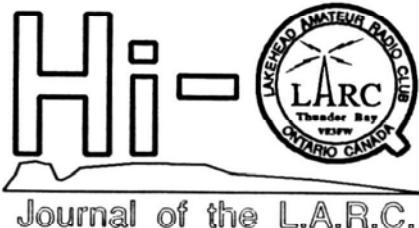


Club Repeaters

VE3TBR
out:146.82 MHz.
in:146.22 MHz.

VE3YQT
out:147.06 MHz.
in:146.46MHz.



January, 1994

Next Meeting:

7:30 p.m.
Thursday,
January 13th, 1994.
Room 245, McIntyre Building
Confederation College.

LARC is a member of Radio Amateurs of Canada (RAC).

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"Ham Radio and More"

From W5YI Report, December 1, 1993

A local call-in talk show for the past 2½ years is going national. Beginning Sunday Nov. 28 at 6:00 p.m. EST, host **Len Winkler, KB7PL**, will broadcast the show coast-to-coast over the *Talk America Network*. The show covers all aspects of Amateur Radio and features weekly guests, FCC news ...and more!

"Ham Radio and More!" originates from the studios of KFNN in Phoenix.

Talk America already has over 80 (AM radio) affiliates coast-to-coast. For further information on how your local broadcast station can carry the show call the *Talk America Network* at (508) 460-0588 or Winkler at (602) 861-0303. The show can also be picked up via satellite on Satcom C-5, Transponder 19, 6.0 audio and Galaxy 2, Transponder 3, Channel 55.4.

Notice of Motion

Article Number 10 of the Lakehead Amateur Radio Club's Bylaw Number 1 (the Constitution) requires 30 days notice of motion be given to members prior to any change to the Bylaws. Further, any such change must be carried by a two thirds majority vote of the members present and eligible to vote.

At the December 9th general meeting the president reported that our Bylaw Number 1 did not define a quorum for a general meeting. This oversight was revealed as a result of a review conducted by Bob Bishop, VE3JAB, of many current constitutions in use in various area clubs. The President, Terry Stewardson, VE3TKA moved that Article 5 — MEETINGS OF MEMBERS be amended to add the following:

5.6 QUORUM

A quorum at a meeting of members shall consist of ten (10) percent of those in good standing and holding full voting privileges which includes Full Membership, Family Membership and Life Membership.

The motion will be open for discussion followed by a vote at the January 13, 1994 meeting.

Technical Nets

From RAC News service, Bulletin No. 12-93, 15 Sep 1993. Editor: Cam Inglis, VE3UXN

The Scarboro Amateur Radio club bulletin mentions three Sunday nets which may be of interest.

The nets provide detailed technical support. They may be found on 14.317 MHz. Times are as follows

- 1700z Icom Users Net with AB4OH (also has the Canadian call—VE3DGY),
- 1900z Yaesu Net, and at
- 2000z Kenwood Net.

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LARC

Founding President:
PJ (Pat) O'Shea VE3FW
1881—1972

EXECUTIVE

President: Terry Stewardson VE3TKA 577-9439
Vice-President: Steve Robb VE3KRH 345-6992
Secretary: Norm Bell VE3XRC 577-9316
Treasurer: Skip Wright VE3BBS 767-2307
Directors:
 John Kaleta VE3EMI 344-0165
 Glen Wallace VE3ICY 623-0135
 Len Catillo VE3ILV 473-9430
 Edit. Coord. John Watson VE3GTX 683-3199
Past President: Mark Vukovich VE3VUK 345-5856

CLUB APPOINTMENTS**Emergency Coordinators**

E.C.: Skip Wright VE3BBS 767-2307
Assistant E.C.: Norm Bell VE3XRC 577-9316
Licence Sponsor: John Visser VE3HTM 767-8525
Public Relations: Bob Bishop VE3JAB 767-5689
Theory Instructor: Ed Baumann VE3SNW 622-1216
Code Instructor: Norm Bell VE3XRC 577-9316
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 Pat Pugh VE3PHU 345-8562
Awards Manager: Norm Bell VE3XRC 577-9316
Technical — Hardware: Laurie Bridgett VE3BCD 622-1628
 Lindo Scalese VE3NHX 767-4377
 Glen Wallace VE3ICY 623-0135
 Bill Unger VE3EFC 683-3141
Technical — Software: Len Catillo VE3ILV 473-9430
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 Mike Nawrocki VE3ZG 767-1714
 Bill Unger VE3EFC 683-3141
 Laurie Bridgett VE3BCD 622-1628
 Lindo Scalese VE3NHX 767-4377

Industry Canada Delegates

Volunteer Examiners: Ed Baumann VE3SNW 622-1216
 Dave Kimpton VE3AVS 344-8949
 Bob Mitchell VE3IDJ 983-3000

CW—Not Old Fashioned!!!

By Pat Doherty VA3GD

I read an article the other day, and it pointed out that Marconi used the latest technology of the times. Why do we, in this day and age, disparage anyone who does the same as Marconi. Quite frankly, we have to admit that this is the age of the keyboard and computer.

Straight keys, bugs, and the next step up, electronic keyers, in the hands of a proficient operator, sounds great. In the hands of most of us, who fight to keep our spacing and speed constant while trying to mentally spell the words we are sending, hand and mind coordination goes out the window. In most cases, this shows, along with erratic speeds, poor spacing and CW that is difficult to copy. We use more short forms because of the difficulty of spelling, hoping the operator on the other end can translate our abbreviations. If you have spent some time listening around the bands, you have noticed the various levels of skill, and in some cases the complete lack of skill as well as terrible CW.

Most of us have the tools to improve our CW and make it a pleasure to copy. If you have a Vic 20, Commodore 64, IBM compatible, Apple or Mac, and a TNC, you most likely have the ability to send computer generated CW. Some companies manufacture a keyboard for CW which some of the QRQ enthusiasts, who average 60 to 80 wpm, use. You don't have to be a QRQ operator to use a keyboard. Most keyboards have an operating range of 5 to 99 wpm. If you can do 20 wpm, you are faster than 90 percent of the people you will meet on CW. You don't even have to know how to touch type to do 20 to 25 wpm — the hunt and peck two finger system will keep up with this speed. 12 to 18 wpm is a piece of cake.

If you are a purist, you can use your computer for sending-only. If you want to build up your speed and skills, you can set your speed slightly faster than you can copy, using the computer to fill in the spots you miss. This way you can get involved in a QSO at greater than your normal speed, and stretch your abilities. If the other person is using a keyboard or computer, your copy will be excellent; if not, most TNC's CW programming will copy a high percentage of the traffic. You can use your skills to fill in the blank spots. One of the better aspects of using a keyboard or computer is the built in buffer: you can set your sending speed at a comfortable level, say 15 wpm, matching the copying speed of your correspondent, and type in your text at your best speed. This allows you to make corrections to your text prior to it being transmitted. Your speed will increase, your comfort

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level will go up, and you may find you enjoy CW much more than you thought possible.

Contesters have taken the computer to heart. CT, the program developed by K1EA, has the ability to send CW. Not only does it send CW, it logs your contact by using your input to the keyboard to update each valid QSO to your log. The program keeps track of multipliers, countries, zones, etc. — whatever is involved in the particular contest. You can even use the keyboard to carry on a regular QSO. The interface between the computer and radio with this program is very simple. You can use the computer keyboard just to key your transmitter, or control all your transceiver functions through an optional program. There are shareware programs available to turn your computer into a CW machine, using an interface you can build at home at small cost. You say this is not cricket, it is not like the old days, but tell that to the contest operators who have excellent CW skills, are capable of copying high speed CW without assistance, and have the willingness to embrace a new technology to improve their operating skills.

The next time you are in your shack, and playing radio, try out your computer. Go to the CW part of the band and see how it works. You might be pleasantly surprised; there is less QRM, and a CQ in most cases gets a quick response. Since you use less band width and normally a tighter filter, more stations can operate in a small portion of the band. Think of it as keeping up with the times and using another form of digital communications. Don't scrap all that hard work you put into learning CW, let your computer help you enjoy your skill.

N.W.Ont. VE3/VA3 Who's Who

Many of us have been hearing some new VA3... calls on the air. For the benefit of others who have not been listening, listed below are the new and old calls which have been passed on to us.

Old Call	Name	New Call
VE3ECV	Vic Bel	VA3BEL
VE3EDI	Wally Tokar	VA3EI
VE3LML	Ed Rehfuhs	VA3ER
VE3HFS	Pat Doherty	VA3GD

LARC/Hi-Q Information

Hi-Q is published ten months of the year by the Lakehead Amateur Radio Club Inc. (LARC), an Ontario registered, non-profit corporation. The opinions/viewpoints expressed or implied in Hi-Q are those of the contributing authors; the LARC, Hi-Q or its' Editors assume no responsibility for the accuracy of information submitted. Material in Hi-Q may be copied for non-profit use by the amateur radio community provided credit is given to the author and source(s).

Contributions related to amateur radio, and in particular articles of interest to Northwestern Ontario amateurs, are encouraged. Contributions in the form of manuscripts with drawings and/or photographs are welcome, however, the preferred method of submission is electronically, either via modem or on a 3.5" disk (the disks will be returned). The preferred format is as a WordPerfect® file; if this is not possible, contact the assistant editor for alternates.

Mail your articles direct to the Assistant Editor, Bill Boland, VE3BQR, at 431 McKenzie Street, Thunder Bay, ON, P7C 3L1. Files may also be submitted via modem by prearrangement at (807) 622-3686 (2400 N. 8.1) or on PACKET to VE3BQR @ VE3TKA.NON.ONT.CAN.NA.

Dated announcements should be received by the editor(s) no later than ten days prior to the first day of the month in which the notice is to appear.

As a means of reducing production and distribution expenses, Hi-Q will accept advertising at the following per-issue rates: Full page — \$60.00; 1/2 page — \$40.00; 1/4 page — \$20.00; and 1/8 page — \$15.00. Reduced rates, of one third off, are available upon receipt of advance payment for 10 issues (i.e. one full year). Send your "camera-ready art work" and cheque (payable to LARC) to the Club address below.

Advertising matter that appears in Hi-Q implies neither endorsement nor recommendation of the product or service by the LARC, Hi-Q or its' Editors.

LARC membership fees, determined annually, are set for 1993/4, as follows: Regular — \$30.00; Associate — \$20.00; Associate (attending Ham classes) — \$80.00; Student (attending school full time) — \$15.00; and Family — \$30.00, plus \$10.00 for each additional member of the family at the same address.

Hi-Q is distributed to all LARC members, except that only one copy is issued to each address.

The club call is VE3FW in honour of our founding president, Pat O'Shea. The LARC owns and operates two VHF repeaters, VE3TBR on 146.82 MHz (minus) located atop St. Joseph's Heritage, and VE3YQT on 147.06 MHz (minus) located on Mount Baldy.

The club mail address is: Lakehead Amateur Radio Club Inc., P.O. Box 2571, Thunder Bay ON P7B 5G1.

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The way it was, so help me...

By: Len Catillo, VE3ILV.

Several years ago I was trying to learn morse code in order to get into this hobby. My tutor was a fellow named Ed. (Not our Ed but another Ed) You may not believe this but it does get better.

Anyway, I was making pretty good progress up to about 7 or 8 words a minute when I experienced a marked slowdown in my progress. Ed had some difficulty understanding this and I got the feeling that he was becoming somewhat impatient. After all, he was spending a lot of time with me and he was not even an amateur.

You see, Ed was the Regional Manager of Flight Electronics for Eastern Canada. He was an accomplished pilot and a commercial radio operator. Ed was employed by the DOT and had an office at Dorval airport in Montreal. I had met Ed a few years earlier, during my hockey days in Montreal. We both had boys playing on the same team, and he was my assistant when I was coaching the Pierrefonds AA Pee-Wee's (11 and 12 year old's). As a result, we spent a lot of time together and became good friends.

One evening at one of our many CW practice sessions, Ed was sending his usual stuff at about 10 wpm and I wasn't copying very much. As I recall, I put the pencil down and said, "This is impossible."

This prompted Ed to say, "What?"

Due to his sophisticated enquiry, I felt compelled to expand on my previous comment and replied, "This is impossible, the human brain and human hand is not capable of deciphering this information and writing it on paper that fast."

At that point, I was ready for, if not a fight, at least an argument. Instead, Ed folded his arms across his chest, leaned back in his chair and said, "I think we've done enough for to-night. You probably had a bad day at work — sometimes that happens."

Several minutes later, as he was going out the door, he stopped about 20 feet short of his car. He turned and said, "What are you doing for lunch tomorrow?" I stated that I had no plans.

"OK," he said, "Pick me up at my office and we'll go downtown to Dunns Delicatessen, and try to come early as the place gets crowded, say 11:30. That OK?"

"Fine by me," I replied, "See you at 11:30." I was a sales rep in those days, and I could do things like that.

The next day I entered the DOT office, informing the receptionist that I was here to pick up Ed. She had been advised that I would show up and stated, "Oh, he wants to see you in his office." I then became suspicious as Dunns was about a half hour away and

with any delay we would not beat the crowd.

Upon entering Ed's office, I had the feeling that he was gleefully waiting for me. His office had a large window, through which I now observed the general office. There were about five people looking back at me — no, *staring* at me. Understand that I was no stranger there; I had been to Ed's office on several occasions (you know, the lunch deal.). This time, the office workers reaction to my arrival was different. I now became very suspicious, and began to think that maybe, just maybe, I was being set up. Set up? Naw, Ed wouldn't set me up... little did know...

Ed rose from his desk, saying, "There is someone in the office I want you to meet. Come with me."

I followed Ed to a desk — a console rather than a desk — that had a receiver in it and a typewriter in front. There was an older gentleman sitting at the console. (Older gentleman? — ya, he was about the age that I am now; everything is relative you know.)

I was introduced to this old guy, "Len this is Thumbs. Thumbs, I'd like you to meet my friend, Len."

Thumbs was having his lunch (it was a little before lunch but I told you I was being set up). Thumbs, was, of course, a nick name that he actually enjoyed. You see, he had been a radio operator on a mine sweeper during the war and his ship took a torpedo midships, just below the radio room. He lost a thumb on one hand and two fingers from the other. This old guy then turned on the receiver, listened for about fifteen seconds and began to type. While typing, he took a bite of his sandwich, (egg salad) had a sip of coffee, and said to me, "Ed tells me, you guys coach a pretty good hockey team."

"Ya," I replied, "we have a pretty good chance of winning the provincials this year."

"How long have you been in Montreal?", Thumbs asked. Thumbs was still typing and took another bite of his sandwich.

"About four years," I replied.

"Do you like it here?" He was still typing.

"Oh ya," I said, "the skiing is great."

He had only removed his hand from the keys to eat or drink his lunch. He had more coffee, and said to Ed, "Pretty boring stuff today, I think I'll shut down and go out for a short walk." He then reached up and turned off the radio. He continued typing for about another fifteen seconds and stopped, pulled the paper out of the typewriter, and handed it to me. It was a regional weather report, neatly typed and spaced. I could not find any spelling mistakes or any other obvious errors.

Ed said, "Thanks very much, Thumbs. Oh,

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incidently, what was that CW speed?"

Thumbs responded, "They were a bit slow today, I figure about 40 wpm".

"Ok, thanks again. We've got to go out to lunch now." said Ed, and turned to leave.

About three steps from Thumbs, with our backs to him, Ed stopped, turned to me and asked, "Should I tell old Thumbs what you said about the human brain and hand at 10 wpm?"

I was lost for words, and simply said, "Don't get cute, let's go to lunch. I'm buying."

Granted, old Thumbs spent over 40 years banging the key and none of us will probably ever be that good but it just goes to show that it can be done. (Rumour has it that AJ and VA3GD (get used to it) are close.)

N.W. Ont. Amateur Radio Call-Book

The 1994 Edition of the Northwestern Ontario Amateur Radio Call-Book, now listing over 800 calls, is expected to be available for distribution at the end of January. We delayed printing this, the third issue, so that we could include the known, new VA3 series calls for Northwestern Ontario.

A significant improvement, in this issue, is the use of a larger, more readable font. We have retained the popular address-label format, listing each record by call. The "Calls Listed by Location" section remains as well. The Repeater Listing has been expanded and improved by using more standardized codes.

A new feature in the Call-Book this year is a section entitled "Regular Club Activities". We hope the information provided will prove useful to travellers in the various locations listed. If there is some regular event occurring your area, let us know about it, we will include it in the next issue.

The good news

The cost has been held at \$3.00 again this year. Copies will be available at the February 10th LARC General Meeting.

Out-of -town orders

Please submit a single order requesting sufficient copies for your area. We will ship your order, prepaid, by the most economical means, probably by the bus service. Send your cheque payable to LARC along with your order to: Attention: Call-Book at the address at the bottom of this page.

The Jim-Dandy, Go-anywhere, Fits-in-your-pocket, 120 Volt Tester

By: Dave, VE3AVS.

What's that, you say? You plugged the old buggy in but she barely turns over? And it's only minus 50°C? May be that ole extension cord ain't what she used to be.

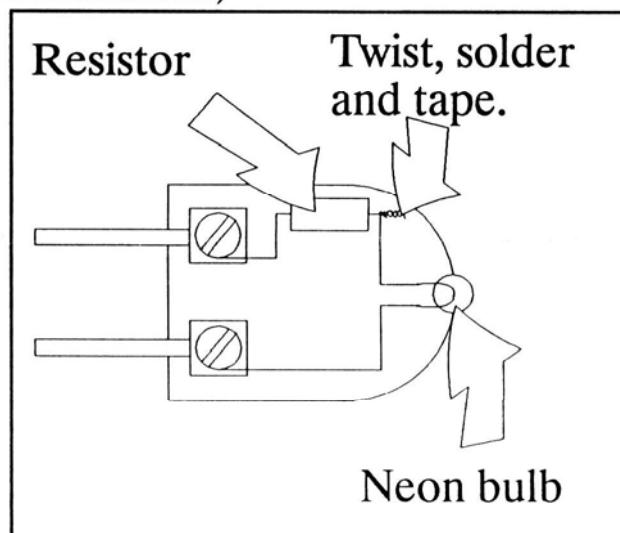
Here's a simple, low-tech and cheap (attractive to amateurs) tester that'll check out that old extension cord, or even the plug-in receptacle. You need the following components (that's "teacherese" for parts):

Qty. Description

- 1 two-pole (two-prong) plug,
- 1 small neon bulb with wire leads, and
- 1 $\frac{1}{4}$ to $\frac{1}{2}$ watt resistor @ 100 K.
(220K, 330K, 470K will work OK)

Remove the plug insulating cover. Loosen the screw in each metal blade which is normally used to hold the wire from an extension cord.

Now wrap one lead of the resistor around one screw in a clock-wise direction, making sure the resistor body is as close to the screw as possible. Tighten down the screw. Then twist together the other resistor lead and one lead from the neon bulb, bringing the bulb body close in to the resistor. You have the option of soldering these leads for a good connection. (It's highly recommended! Ed.)



Finally, wrap the other lead from the neon bulb around the remaining screw of the plug in a clockwise direction. Line up the end of the bulb with the hole in

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the end of the insulating cover so that it can be seen. Tighten down the screw.

Warning:—Check to make sure that there is no earthly way that the junction of the resistor and the neon bulb can touch the screw with the neon wire around it.

(You might feel more secure with a wee piece of tape wrapped around the connection to prevent shorting. If it does short, the worst that can happen is that the neon bulb will blow!)

Replace the insulating cover, then stand ten feet from the nearest outlet and plug it in. The neon plug should glow, indicating the outlet works.

Good Skiing this winter; remember, shiny side up and sticky side down!

Midwinter Madness

Mark your February calendars. The Robbinsdale Amateur Radio Club is hosting the 13th Annual Midwinter Madness in Blaine MN on Saturday February 12, 1994 at 7 am to 2 pm. Tickets are \$7.00 US on the day of the show. Advanced admission tickets are available at \$4.00 US. Send your cheque or money order and a self addressed and stamped envelope (no later than January 15) to:

Robbinsdale Amateur Radio Club, Inc.
P.O. Box 22613,
Robbinsdale, MN 55422
USA

Tel. 612-537-1722.

"Your admission ticket is your big chance to win one of the following big prizes:

Grand Prize: *From Applied MicroComputer Solutions:* Complete Multi-Media 486SX-25 Computer System

Second Prize: *From Burghardt Amateur Center:* ICOM 3230H Mobile Dual Band VHF/UHF Amateur Radio

Third Prize: *From Radio City:* Yaesu FT-530 Handheld Dual Band VHF/UHF Amateur Radio."

Be sure to attend this one, it's the only one in 1994. You will have to wait until Saturday February 11, 1995 for the next Midwinter Madness.

The Red Lake District Ham

Northwestern Ontario amateurs now have another newsletter. The first issue of The Red Lake District Ham was published in September 1993. Congratulations to Fred de Wind, VE3WFN, Editor; your first couple of issues look very good Fred, good luck in your new undertaking.

From the December issue, I see congratulations are also in order to the following new Red Lake District Amateur Radio Club Executive:

President Keith Fretz VE3KFZ,
Secretary Fred de Wind VE3WFN, and
Treasurer Norm Wright VE3PMY.

Also from the December issue, it seems, the club has 24 members and is active in ARES and public service as well as the usual social gatherings. They meet for breakfast at Ted's restaurant at the airport on Saturday at 1000 hrs. Red Lake has a repeater, VE3RLD on 147.00 MHz plus; former club president, Owen Lane, VE3VQ is the sponsor. There is a Thursday night Mini Net on VE3RLD at 1900 hrs.

Special Event—HRE

From: VE2ALE via Packet 27 Nov. 1993

Following last year's successful International Development Week National Ham Radio Event (HRE) on February 3, 1993, it is once again time to gear up for this year's event. This year, the event will run over two days, **February 11-12, 1994**. CIDA's International Development Week with the theme "Together We Can Change Our World", runs from February 6-12 1994.

The purpose of the HRE is to give Canadians the opportunity to speak directly with citizens of developing countries via a national ham radio network. CIDA's Communication Branch invites participants across Canada from urban centres and rural areas to take part. Partners for this year's event will include members of the Radio Amateurs of Canada (RAC), Amateur Radio Clubs, a host of national organizations, community interest groups, Universities, Community Colleges, and Secondary and Elementary Schools.

Last year, many organizations and individuals were involved in setting up 43 stations in 34 cities and towns across the country, more than double the number from the 1992 event. They included: Canadian Amateur Radio Federation, Northern Native Communications Societies, Scouts Canada, YMCA, YWCA, development education Learning Centres and numerous high schools and universities across the country. Most of the nation-wide base-stations experienced favourable atmospheric conditions and were able to make a number of contacts with

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participants overseas. This year, the goal is to exceed 50 base stations and include smaller towns, and rural and native communities in outlying areas.

Many of the groups involved last year were able to promote their development efforts and international focus through HRE. Ideally, community interest groups or national organizations can team up with amateur radio operators in their area, setting up a base-station in either a private building or a location with public access. Whether the event is large and multi-faceted, or a small group sitting around a ham radio, the opportunities are unlimited.

Event participants are again encouraged to enhance the day's presentation and activities by using CIDA co-productions (videos) and print materials such as world maps and publications. In addition, media coverage will be sought wherever possible for print, radio, and television stories. This event provides an interesting educational opportunity to show the work that Canadians are actively supporting in development countries.

Canadian diplomatic posts overseas will be informed of this event. National and amateur radio federations and operators in Africa, Asia and Latin America expressed strong interest in speaking with their counterparts in Canada, and a similar response is anticipated this year. In remote areas where phone and fax lines do not reach, the amateur radio remains an essential communications link.

The Department of Industry, Science and Technology (now *Industry Canada (IC)* ed.) has received a request to provide special call prefixes for this event, as in past years. Commemorative QSL cards will be distributed to track the number of contacts made between radio operators in Canada and overseas. It should be emphasized that the HRE is not a contest. Rather, the intent is to foster international exchanges and opportunities to discuss issues with people overseas.

If you require any further clarification or assistance in organizing a base-station, please contact, Wendy Duffy

Consultant-Ham Radio Coordinator
2416 23 St.N.W.

Calgary, Alta.
T2M 3Y2

Phone: (403)284-3286

FAX: (403)284-3286 or (403)284-4399
c/o F. Maclearn/evds

For further information see January 1994 issue of the Canadian Amateur Magazine.

HRE Special Prefixes

From Jerry VE3KRZ

The following special prefixes have been authorized for use by all Canadian amateurs during CIDA Development Days on Friday and Saturday, February 11th and 12th.

Newfoundland	VO3
Labrador	VO4
New Brunswick	CF9
Nova Scotia	CF1
Quebec	CF2
Ontario	CF3
Manitoba	CF4
Saskatchewan	CF5
Alberta	CF6
British Columbia	CF7
North West Territories	CF8
Yukon	VY3
PEI	VY4

Ontario ARES Appointment

From RAC News Service, Bulletin No. 12-93
15 Dec., 1993. Editor: Cam Inglis VE3UXN

Pierre Mainville, VE3LPM, of Brampton has been appointed the RAC Ontario Section Emergency Co-ordinator (SEC) effective October 15, 1993. Pierre will be responsible for all Amateur Radio Emergency Service (ARES) activities in Ontario. He replaces Larry Thivierge, VE3GT, who has done double duty as both Section Manager and SEC for several years.

Outgoing QSL Bureau

Extract from RAC News Service, Bulletin No. 12-93
15 Dec., 1993. Editor: Cam Inglis VE3UXN

The outgoing RAC QSL Bureau is moving to Alberta. The new address is: Bag 5000, Morinville, AB., T0G 1P0. The custodian is Norm Walther VE6VW.

For outgoing cards, put your return address on the front upper corner of your envelope containing your cards. Put your RAC membership number under your address. Don't put more than six or seven cards in each envelope and arrange them in order of prefix and also extensions.

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YLs/XYLs Offer Courses

Once again, the YLs/XYLs associated with the Lakehead Radio Amateur Club will be offering Certificate courses to all men, particularly those who are married or are contemplating marriage. To obtain the certificate, a passing grade, including compulsory attendance, is required in at least ten (10) of the listed courses. Please note that some of the older courses have been dropped, that new ones have been put in their places, and that the names of some of the courses have been changed from those of previous years.

Year one:

1001: Combatting stupidity	3002: No excuses — understanding the female response to your coming home LATE from the meeting after the meeting.
1002: You TOO can do housework	Prerequisite: 1001
1004: We do not want sissy underthings for Christmas; give us money!	3005: The weekend and tower jobs are NOT synonymous

Year two:

2003: Reasons to give flowers	3006: Parenting — NO, it doesn't end with conception
Prerequisite: 1001	Prerequisite: 1001
2004: Wonderful laundry techniques (Formerly; Don't wash my silks)	Graduate courses are available as listed below:
Prerequisite: 1002	4002: YOU — the weaker sex
2006: Using the dishwasher — there is no secret	Prerequisite: 3006
Prerequisite: 1002	4003: The handheld — Overcoming your dependency
2007: How to put the toilet lid down (formerly; NO, it's not a bidet)	4005: The attainable goal: omitting 73's and 88's from your vocabulary
Prerequisite: 1001	Prerequisite: 1001

Year three:

3001: PMS — Learning when to keep your mouth shut!	Curriculum issued by:
Prerequisite: 1001	Dean of Family Harmony: Linda Wright Resource Staff: All XYLs

**Minutes of a meeting of the Lakehead Amateur Radio Club
held in Room 245 at Confederation College
Thunder Bay, Ontario on December 9, 1993**

The meeting was called to order at 7:30 pm by the President VE3TKA, Terry Stewardson, with 36 members and guests in attendance.

Minutes of the previous meeting:

The minutes of the previous meeting, held November 11, 1993, were published in detail in the December issue of HI-Q and mailed to all members. No questions, additions or deletions were noted.

Motion: moved by VE3BHN, Bob Gillespie, and seconded by VE3GTX, John Watson, that the minutes be accepted as printed. **Carried.**

Treasurer's Report:

Skip Wright, VE3BBS, reported the annual 1993-94 financial statement as of December 8, 1993 which is as follows:

Balance forward from November 1, 1993	\$4,267.45
Income	\$771.00
Expenses	\$686.45
Petty Cash	\$119.13
Balance as of December 8, 1993	\$4,71.13

Motion: moved by VE3BHN, Bob Gillespie, and seconded by VE3ZG, Mike Nawrocki, that the Treasurer's Report be accepted. **Carried.**

President's Report (VE3TKA, Terry Stewardson) :

VE3TKA, Terry Stewardson, VE3BBS, Skip Wright, and VE3JAJ, Les Brown, attended the a meeting of the Grand Marais radio club. They talked to NOBZZ, Randy Haglund, who owns the repeater in Grand Marais, and who is in the process of linking his unit south to Duluth. Once our link to Grand Marais is up and running, through Randy's repeater we should be able to link right through to Duluth. Due to American regulations, an agreement will have to be made to **not using** the link for auto patches. Apparently, American regulations do not permit phone patches via links to defeat toll (long distant) charges.

Old Business: none

New Business:

Stolen Equipment:—VE3AJ, Bill Klemacki reported that some Icom IC16u portables and a 70-526 base station with power supply had been stolen. If you hear of anyone trying to sell this equipment, contact Bill.

Review of Constitution:

The President reported that VE3JAB, Bob Bishop, has been

reviewing constitutions of Amateur Radio Clubs. He has brought to our attention that we do not have a definition of a quorum for a general meeting in our constitution. Upon checking, our constitution can be amended under article 10.1 by giving 30 days notice of motion prior to the introduction of any change or addition to the bylaws.

Motion: moved by VE3TKA, Terry Stewardson, and seconded by VE3JAJ, Les Brown, that a "Notice of Motion" be posted, to add: "Article 5.6 QUORUM 1) A quorum at a meeting of members shall consist of ten (10) percent of those in good standing and holding full voting privileges which includes full, family and/or life members." This motion will be discussed and voted on at the January 1994 meeting. . . . **Carried.**

1993 - 94 Budget:—

The proposed budget for 1993 - 94 of the Lakehead Amateur Radio Club was presented by VE3BBS, Skip Wright. Copies were handed out to those present and Skip went through the budget line by line.

Motion: moved by VE3JAJ, Les Brown, and seconded by VE3GTX, John Watson, that the 1993 - 94 budget be accepted as presented. **Carried.**

2 Metre Amplifiers:—VE3EFC, Bill Unger described the 2 metre amp project proposed by the club. This project will give participants a hands-on experience in building the amp which will yield 10 watts out while consuming only 1 watt input. This is a tried and true design according to Bill. Approximate cost will be \$50.00. A sign-up sheet was passed around and approximately 12 amateurs signed up.

Manitoba Amateur Radio Museum:—A letter was read by the secretary from the Manitoba Amateur Radio Museum. They are looking for financial support on a one time basis offering Life Membership for \$75.00. The names of Life Members are listed on a plaque prominently displayed in the museum.

Motion: moved by VE3GTX, John Watson and seconded by VE3KRH, Steve Robb that the Lakehead Amateur Radio Club take out a Manitoba Amateur Radio Museum Life Membership at a cost of \$75.00. **Carried.**

Winner of the 50/50 draw: VE3EMI, John Kaleta.

Motion: moved by VE3ZG, Mike Nawrocki, and seconded by VE3FLB, Rob van Wyck, that the meeting be adjourned. **Carried.**

Following a short break, the "quick left foot" cw contest was held with 12 amateurs trying their hand (or should I say left foot) at it. Everyone who tried was a declared a winner by the chief judge, VE3KRH, Steve Robb.

**Moving? Be sure your Hi-Q follows you! Send your change of address notice to:
LARC — Hi-Q ▼ P.O. Box 2571 ▼ Thunder Bay ON Canada P7B 5G1**

1994

January

1994

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
A Resolution for '94... Join the 20 to 40 other LARC members for breakfast on Saturdays at the Blue Parrot Restaurant			Wishing you a safe and Happy New Year!			1 <i>Happy New Year!</i> ARRL RTTY Roundup
2 ARRL RTTY Roundup	3 7:00 p.m. 2M Mini Net Swap'n'Shop VE3YQT	4 7:00 p.m. Ham Class	5 7:00 p.m. CW Class	6	7	8 North American CW QSO Party
9 North American CW QSO Party	10 7:00 p.m. 2M Mini Net Swap'n'Shop VE3YQT	11 7:00 p.m. Ham Class	12 7:00 p.m. CW Class	13 7:30 p.m. LARC Meeting	14	15 North American SSB QSO Party
16 North American SSB QSO Party	17 7:00 p.m. 2M Mini Net Swap'n'Shop VE3YQT	18 7:00 p.m. Ham Class	19 7:00 p.m. CW Class	20	21	22 ARRL VHF Sweepstakes
23 ARRL VHF Sweepstakes	24 7:00 p.m. 2M Mini Net Swap'n'Shop VE3YQT	25 7:00 p.m. Ham Class	26 7:00 p.m. CW Class	27	28 CQ WW 160M CW Contest	29 CQ WW 160M CW Contest
30 CQ WW 160M CW Contest	31 7:00 p.m. 2M Mini Net Swap'n'Shop VE3YQT					

1994 is the 60th Anniversary of the LARC.

Put your thinking caps on, the Anniversary Committee Chairperson
 Bill Unger, VE3EFC is open to ideas from club members on how we should
 celebrate the event.

Contact Bill at work, 767-1161 or at home, 683-3141 if you have any thoughts on
 this or if you
 would like to join the committee to help in the planning.

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